

STOVAX



Riva F40 Cube Multi-Fuel Free Standing Stove

User Instructions

Models: RVF40C

For use in Great Britain and Eire

This product is suitable for use in the stated countries. To install the product in other countries it is essential to obtain translated instructions and in some cases the product may require modification. Contact Stovax to obtain further information.

IMPORTANT

Please read these instructions carefully before using the appliance.
Keep them safe for future reference and when servicing the fire.

PM134-Issue 2 (April 2005)

FOR YOUR RECORDS

To assist us in any Guarantee claim please complete the following information:-

Stovax dealer appliance was purchased from

Name:

Address:

Telephone number:

Essential Information - must be completed

Date installed:

Model Description:

Serial number:

Installation Engineer

Company name:

Address:

Telephone number:

Commissioning Checks (to be completed and signed)

Is flue system correct for the appliance YES ☐ NO ☐

Flue swept and soundness test complete YES ☐ NO ☐

Smoke test completed on installed appliance YES ☐ NO ☐

Spillage test completed YES ☐ NO ☐

Use of appliance and operation of controls explained YES ☐ NO ☐

Model details and serial number recorded above YES ☐ NO ☐

Instruction books handed to customer YES ☐ NO ☐

Signature: Print name:

OPERATING INSTRUCTIONS

1. GENERAL

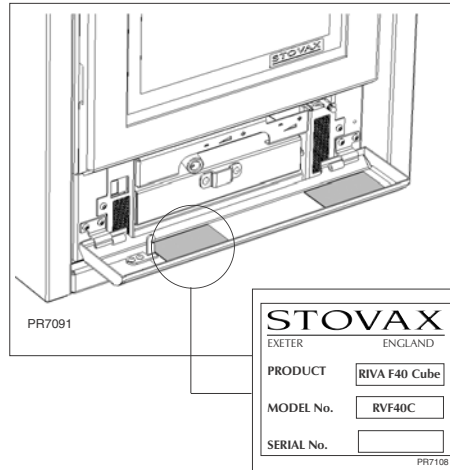
- 1.1 This stove is designed for domestic heating and should only be used for this purpose, in accordance with the manufacturers operating instructions.

It should be installed by a competent installer, in accordance with the relevant local and national regulations.

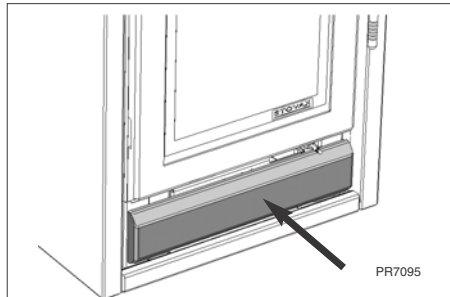
- 1.2 The stove should only be used to burn approved fuels and should not be used with liquid fuels or used as an incinerator.
- 1.3 As with all heating stoves the surfaces will become very hot when in use, therefore due care should be taken when near the stove. If it is to be used in the presence of young children, elderly or infirm persons a suitable fireguard should be used. Care should also be taken with the placement of combustible items near the stove as conducted and radiated heat could cause a fire hazard.
- 1.4 Due to the high temperature of the convected air above the stove we recommend that no valuable photographs, paintings, porcelain or other items are placed in this area. Such artefacts may be damaged by long term exposure to fluctuating temperatures.
- 1.5 The additional ventilation may be required for the safe use of this stove should be kept free of any obstructions, both inside and outside the building, at all times.
- 1.6 Have your Stovax product serviced annually by a competent service engineer, and if repairs are required use only Stovax approved spare parts.
- 1.7 Do not make unauthorised modifications or changes to the appliance.

1.8 SERIAL NUMBER

This number will be required when ordering spare parts or making warranty claims. It is found on the back of the door as shown



1.9 ASHCOVER



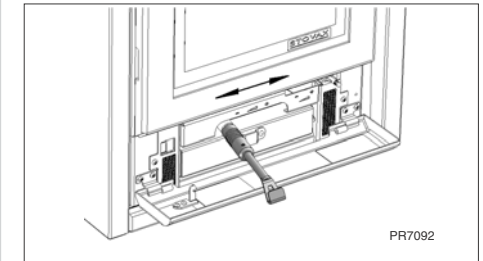
To operate the "touch latch" press the centre of the ashcover to open and close the cover.

OPERATING INSTRUCTIONS

1.12 RIDDLING GATE

De-ash the firebed, using the riddling gate system.

To do this lower the access cover below the door, then insert the ash pan tool in to the socket as shown and move the primary air control vigorously left to right, this causes the ash to fall down in to the ashpan.

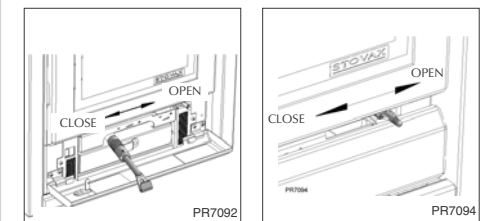


Never operate the grate with your bare hands.

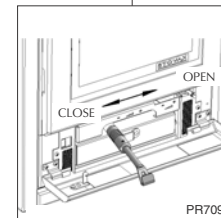
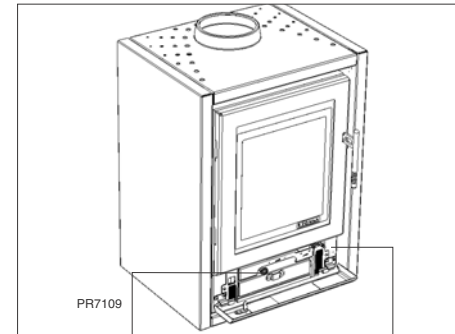
2. USING THE RIVA FOR THE FIRST TIME

- 2.1 When new it is best to burn the fire at a low output for the first few days of use. This will allow the construction to settle and all fixing glues and paint to fully cure.
- AVOID TOUCHING THE PAINT DURING THE FIRST PERIOD OF USE.**
- 2.2 During this time the appliance may give off some unpleasant odours, and we recommend that you keep the room well ventilated during this period to avoid a build-up of fumes.

3. BURNING WOOD

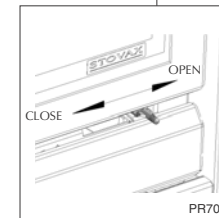


- 3.1 Open the **Airwash control** fully and open the **Primary air control** to approximately 25% open.
- 3.2 Place some pieces of firelighter or dry crumpled paper on the grate and cover with some small pieces of dry kindling wood. Light the paper or firelighters.



PRIMARY AIR CONTROL

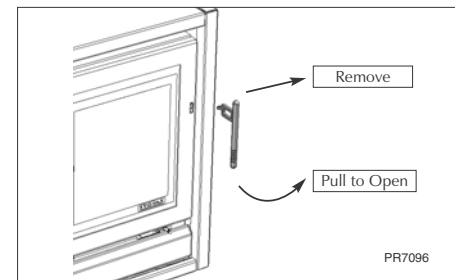
Lower ash pan cover and insert ash pan tool into a socket as shown.



AIRWASH

This control has a pre-set "indent ball" stop in the closed position "opti-burn" setting. If the control is pushed past this point the airwash will be fully closed.

1.11 DOOR HANDLE



To remove the door handle lift the handle without rotating. To open the door, pull the lower portion of the handle. To close the door hold the handle in the open position and push the door to the closed position, then rotate the handle to the vertical position.

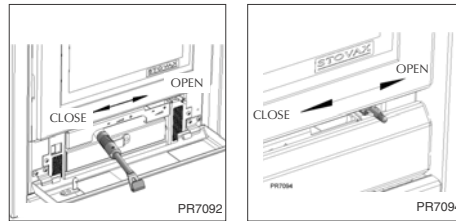
Never open the door with your bare hands.

OPERATING INSTRUCTIONS

- 3.3 To avoid the build-up of condensation on the door glass it is advisable to leave the door slightly open as the fire establishes, and the glass warms.
- 3.4 As the fire becomes established add larger pieces of wood and fully close the door. **Do not leave the stove with the door open as this could over-fire the stove and cause permanent damage.**
- 3.5 As the fire becomes established close the **Primary air control** and control the burn rate using the **Airwash control** only.
- 3.6 To burn wood efficiently it is best to allow a bed of ash to build-up on the grate, and control the combustion using the **Airwash control** only.
- 3.7 Before re-fuelling the stove it is advisable to first rake the embers evenly over the firebed then open the **Airwash control** fully for a few minutes, to establish a glowing bed before adding new logs.
- 3.8 Allow the new logs to burn at high output for a few minutes before adjusting the burn rate with the **Airwash control** to the desired setting. It is best to refuel little and often to maintain clean and efficient burning.
- 3.9 The ideal control settings to suit the particular installation and personal preferences will be established by experience in using the appliance.
- 3.10 The maximum height of fuel in the Riva stove must not exceed the secondary air holes in the Stainless Steel fascias.
- 3.11 It is not recommended to load large amounts of logs and burn with the **Airwash control** on low settings for long periods of time. As this will reduce the effectiveness of the glass cleaning effect of the airwash. Also this will cause large a build-up of tars and creosotes in the stove and flue system.
- 3.12 We would recommend that the stove is burnt at high output for at least 30 minutes each day when it is in use. This will help reduce the build-up of tars and creosotes within the appliance.

Do not burn painted, impregnated wood or manufactured board products.

4. BURNING SOLID FUELS



- 4.1 Open the **Airwash control** to approximately 50% and **Primary air control** fully.
- 4.2 Place some pieces of firelighter or dry crumpled paper on the grate and cover with some small pieces of dry kindling wood. Light the paper or firelighters.
- 4.3 To avoid the build-up of condensation on the door glass it is advisable to leave the door slightly open as the fire establishes, and the glass warms.
- 4.4 As the fire becomes established add pieces of solid fuel and fully close the door. **Do not leave the stove with the door open as this could over-fire the stove and cause permanent damage.**
- 4.5 As the fire becomes established reduce the **Airwash air control** to approximately 25% and control the burn rate using the **Primary air control** only.
- 4.6 Before re-fuelling the appliance it is advisable to first de-ash the firebed, using the riddling grate system, operated by using removable handle to pull the riddling knob in and out. This causes the ash to fall down into the ashpan. **Do not use bare hands to operate the riddling system.**
- 4.7 Then open the **Primary air control** fully for a few minutes, to establish a glowing bed before adding new fuel.
- 4.8 Allow the new fuel to burn at high output for a few minutes before adjusting the burn rate with the **Primary air control** to the desired setting. It is best to refuel little and often to maintain clean and efficient burning.
- 4.9 The ideal control settings to suit the particular installation and personal preferences will be established by experience in using the stove.
- 4.10 The maximum height of fuel in the Riva stove must not exceed the secondary air holes in the Stainless Steel fascias.

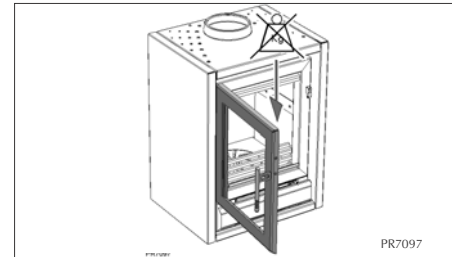
OPERATING INSTRUCTIONS

- 4.11 It is not recommended to load large amounts of fuel and burn with the **Primary air control** on low settings for long periods of time. As this will reduce the effectiveness of the glass cleaning effect of the airwash. Also this will cause a large build-up of tars and creosotes in the stove and flue system.
- 4.12 We would recommend that the appliance is burnt at high output for at least 30 minutes each day when it is in use. This will help reduce the build-up of tars and creosotes within the stove.

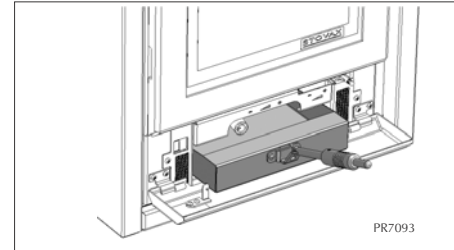
Do not burn painted, impregnated wood or manufactured board products.

WARNING

Do not use the door as a rest or support when refuelling or adjusting the air controls as this could cause permanent damage to the appliance.



5. ASH REMOVAL

- 5.1 The burning of any fuel will produce ash, which will have to be removed after a period of use. This time will depend on the fuel used. Before removing the ash from the stove it is advisable to let the fire burn down to a low level, or even go out completely. The ash pan can be removed from the appliance using the tool provided, after lowering the access cover below the door.
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- 5.2 As heat can remain in the ash for a long period after use care must be taken when removing and carrying the full ashpan. We suggest that the ashpan is carried using gloved

hands. Or the ash is placed directly in to a Stovax Ash Caddie. (Stovax part number 4227)

- 5.3 When burning wood the ash will be smaller and may only need removal once every week. To do this, allow the fire to burn out and cool. Then after removing the log retainer scoop out the ash with a suitable shovel. It is best to leave a layer of ash in the stove to form a bed for the new fire.
- 5.4 Do not place ash in a bin made from plastic or any other combustible material.

6. RECOMMENDED FUELS

- 6.1 **Wood:** - Burn only seasoned timber, with a moisture content of less than 20%. In most cases this would require drying cut wood for 12 to 18 months before use. Poor quality timber could cause low combustion efficiency, produce large amounts of harmful condensation, which could reduce the effectiveness of the airwash system, and ultimately the life of the stove **Do not burn painted, impregnated wood or manufactured board products.**

The symptoms of poor performance related to wet wood include:-

- difficulty getting a fire going and keeping it burning well,
- smoky fires with little flame,
- dirty glass,
- rapid creosote build-up in the chimney,
- low heat output,
- Short burn times, excessive fuel consumption and blue/grey smoke from the chimney.

To help avoid large build-ups of tars and creosote within the stove and the flue system, it is recommended to burn at high output for at least 30 minutes each day. The use of Stovax Protector chimney cleaner will also help to reduce this problem.

- 6.2 **Solid fuel:** - Burn manufactured smokeless fuels, or anthracite, listed as suitable for use with closed heating stoves. **Do not burn 'petro-coke' or other petroleum based fuels, as this will invalidate and product guarantee.**
- 6.3 **Fuel consumption:** -

Wood:- Approximately 1.8 kg per hour of fuel under ideal conditions with the Airwash control fully OPEN and the Primary air control fully CLOSED

Solid Fuel:- Approximately 0.7 kg per hour of fuel under ideal conditions with the Airwash control fully CLOSED and the Primary air control fully OPEN.

If you require advice on suitable solid fuels contact your local Approved Coal Merchant. Details can be obtained by ringing the Solid Fuel Association advice line on Freephone 0800 600 000. Or their web site at www.solifuel.co.uk

MAINTENANCE and SERVICING

1. GENERAL CLEANING

- 1.1 We would recommend that your Riva stove be cleaned fully on a regular basis, according to the level of use. Attention should be given to cleaning the baffle system, flueways and removing ash. Regular cleaning and preventive maintenance will help give many years of safe use.
- 1.2 The external paintwork may be cleaned using warm soapy water and a soft clean cloth. Wipe dry with a soft clean cloth before re-lighting. Do not leave unit without drying, as this may cause rust.

2. CLEANING GLASS

- 2.1 While the correct use of the Airwash system, and good quality fuel, will generally keep the glass clean when the appliance is used you may sometimes need to clean the glass.
- 2.2 This can be done as follows. Allow the Riva stove to cool fully, never attempt to clean hot glass. Any deposits can be removed using a soft cloth and Stovax Glass Cleaner.
- 2.3 Alternatively, it is possible to remove some stains using a soft cloth and warm soapy water, ensure that you do not wet the door sealing ropes.
- 2.4 Before re-lighting the appliance, dry the glass fully.
- 2.5 **Do not use abrasive cleaner or cleaning pads.**

3. CHIMNEY SWEEPING

- 3.1 We would recommend that to maintain the safe and efficient use of the appliance the flue / chimney is inspected and swept at least **once a year, by a competent person.**

4. ANNUAL SERVICE

At the end of the heating season it is recommended to strip, inspect and clean the stove as detailed: -

- 4.1 Carefully remove all of the following internal parts. 2 Internal Baffles, Firebricks, Complete grate (2 parts), and Ashpan. See sections 5 and 6 for the instructions on how to remove the baffles and firebricks.
- 4.2 Vacuum clean any remaining ash and debris from the inside of the stove

- 4.3 Clean the internal surfaces of the stove using a wire brush and scraper as required. Vacuum and brush the resulting debris from the stove.

- 4.4 Clean the Baffle and Grate parts with a wire brush, and check the parts for any damage. Replace any damaged parts.

- 4.5 Check and clean, with a soft brush the Firebricks. Replace any broken bricks. It is normal for some surface damage to occur during use.

- 4.6 Re-fit cleaned internal parts.

- 4.7 Remove the glass from the door, see section 7, and discard all old rope seals.

- 4.8 Remove the door rope seal from the outer edge of the door clean the old glue from the door sealing rope groove.

- 4.9 Clean the door glass using Stovax Stove Glass cleaner and a soft cloth, do not use abrasive cleaners to remove tar or soot deposits from the glass.

- 4.10 Replace the glass edge seal with new and re-fit the glass into place in the door.

- 4.11 Fit new door rope seal, glueing it in place with Stovax Thermic Seal rope adhesive. When fitting new door seals we recommend closing the stove door and leaving for at least 12 hours before using. This allows the adhesive to fully bond to the seal before use.

- 4.12 Lightly oil the door catch mechanism and hinge pins. Avoid getting oil on to the door seals and glass.

- 4.13 To refresh painted finishes it is possible to re-paint using Stovax Thermolac stove paint. Stainless steel trim parts may be cleaned using Stovax Stainless steel cleaner.

- 4.14 We recommend that only genuine Stovax replacement parts are used to keep your appliance in safe and efficient working order. Your local Stovax dealer will be able to provide you with the genuine parts you require.

MAINTENANCE and SERVICING

This is a list of the maintenance products you may need to use

Task	Product name	Stovax Code number
Glass cleaning	Stove glass cleaner 500ml – wipe on	4111
	Stove glass cleaner – spray on	4130
Preventing build-up of creosote in flue	Protector (15 sachets)	7002
	Protector (1kg tub)	7025
Sealing flue pipe joints	Fire Cement - 500g tub	2020
	Fire Cement - 600g cartridge	2021
Re-painting	Storm Metallic	2019sm
Protecting your hands	Heat resistant leather gloves	4008
Door sealing rope	16mm White rope seal – Handy pack	5001
	16mm White rope seal – 20m reel	4096
Glass sealing tape	20mm x 2mm Black tape seal – Handy pack	4998
	20mm x 2mm Black tape seal – 20m reel	4997
Fixing door seal	Thermic seal glue – 50ml	5037

Holding Tools	Optional tool holder	RVAC001
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These products, all available from your local Stovax dealer, along with regular maintenance and use of the correct fuels, will help you to keep your stove in the best possible condition.

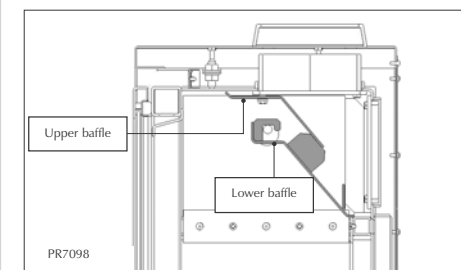
- 4.15 When using the stove for the first time again it is best to burn the fire at a low output for the first day of use. This will allow the new seals to settle and all new fixing glues and paint to fully cure. Avoid touching the paint during the first period of use.

During this time the stove may give off some unpleasant odours, and we recommend that you keep the room well ventilated during this period to avoid a build-up of fumes.

If you require help your local Stovax dealer will be able to carry-out all of your service and maintenance requirements for a reasonable cost.

5. FITTING AND REMOVAL OF BAFFLES

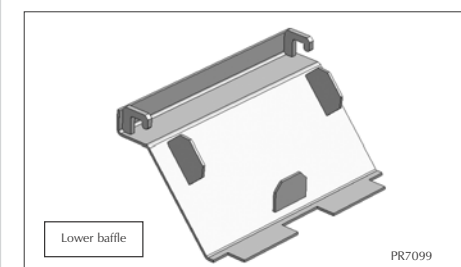
- 5.1 To maintain efficient combustion the Riva stove is fitted with a twin baffle system, consisting of upper and lower baffles



- 5.2 Allow the stove to cool fully before removing baffle system.

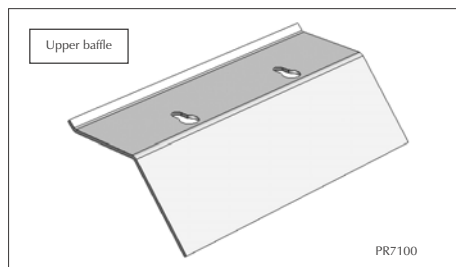
- 5.3 To remove the baffle, first remove the Log Guard from the stove to give access to the firebox.

- 5.4 First remove the **Lower Baffle** by lifting the front edge to unhook it from the support bars, then pull the baffle forward to disengage the rear edge from the location above air inlet holes. Rotate the baffle to remove from the firebox through the door opening.



- 5.5 Second remove the **Upper Baffle** by pulling forward to disengage it from the hanging points at the top of the firebox. Rotate the baffle to remove from the firebox through the door opening.

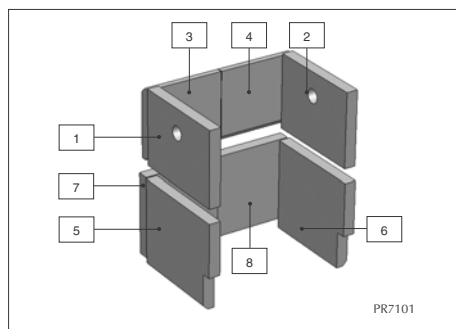
MAINTENANCE and SERVICING



- 5.6 The replacement of the system is the reverse of the previous operations.
- 5.7 It is important to remove and clean the baffle system to ensure the flue ways are clear of soot and debris to ensure the safe and efficient operation of the appliance. The frequency of cleaning will depend on the appliance operating conditions.
- 5.8 The baffle system is designed to give safe and efficient operation of the appliance. Replace any damaged baffles immediately.
- 5.9 Do not modify the baffle system.

6. FITTING AND REMOVAL OF FIREBRICKS

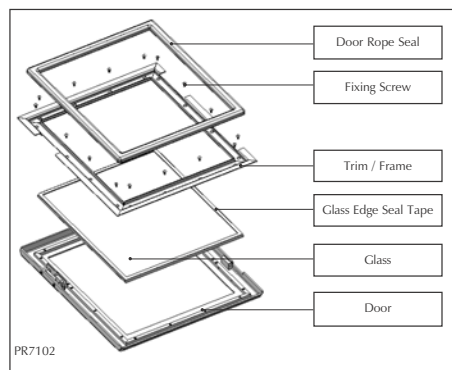
- 6.1 As part of the routine maintenance of the Riva stove you may have to remove the firebricks from the stove. This can be carried-out without the use of tools, but the bricks must be removed and replaced, after removing the baffle system.
- 6.2 Allow the stove to cool fully before removing firebricks.



- 6.3 Replace the bricks in the reverse order from removal.

- 6.4 Care should be taken when handling bricks, as they can become fragile after a period of use. This normal and the life will depend on the type of fuels burnt and the level of use. Damaged bricks should be replaced as soon as possible, and can be purchased from your Stovax dealer.

7. FITTING A NEW DOOR GLASS



- 7.1 To maintain the safe use of your stove you may need to replace a damaged door glass. To complete this operation, use this method.
- 7.2 Remove the door from the Riva stove, by opening the door by approximately 25mm and lifting the door free of the hinge blocks on the left of the door. Then lie the door face down on a soft flat surface, to protect the paintwork and glass.
- 7.3 Remove the old door rope seal and scrape old glue from the locating groove. Clean the locating groove with a clean dry cloth to remove all old dust and debris.
- 7.4 Using a 2.5mm A/F hexagon key, remove the exposed fixing screws in the rope seal locating groove, then remove the trim/frame. The old glass can then be lifted clear of the door. (Note how the edge sealing tape is fixed.) Remember to dispose of the old glass safely.
- 7.5 Clean, and re-paint, the rear of the door if required. Clean the screws with light oil or WD40®, this will aid future removal.
- 7.6 Fit the edge sealing tape to the new glass, and place the glass into position in the door. Place the door trim/frame back in to position and re-fix with the clean fixing screws.

MAINTENANCE and SERVICING

- 7.7 Squeeze a generous bead of fresh Thermic Seal glue into the rope locating groove. **Do not glue over the screw heads.** Press the new door sealing rope into the locating groove, placing the joint in the middle of the lower edge of the door.

- 7.8 Refit the door on to the appliance and close the door to apply pressure to new rope. Leave the appliance closed for at least 12 hours before lighting the appliance and using at a low output for approximately one day.

- 7.9 Fit only Stovax ceramic glass, which is suitable to use in high temperature applications.

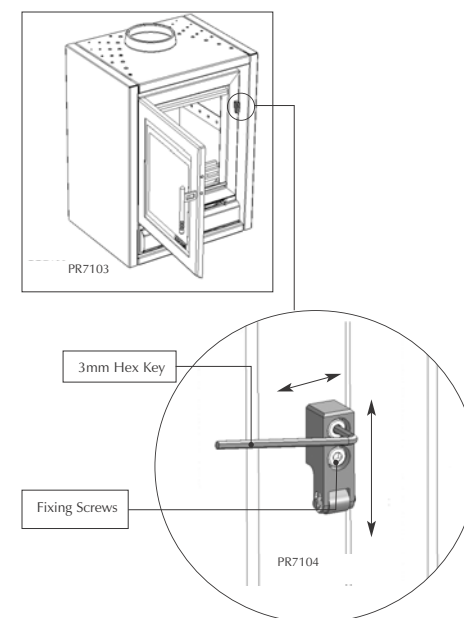
- 7.10 Using the appliance with a damaged door glass could cause dangerous fumes to enter the room, or the stove to overfire, resulting in damage.

8. FITTING A NEW DOOR SEAL

- 8.1 To maintain the safe use of your Riva stove you may need to replace a damaged or worn door sealing rope. To complete this operation, use this method.
- 8.2 Remove the door from the stove, by opening the door by approximately 25mm and lifting the door free of the hinge blocks on the left of the door. Then lie the door face down on a soft flat surface, to protect the paintwork and glass.
- 8.3 Remove the old rope and scrape old glue from the locating groove. Clean the locating groove with a clean dry cloth to remove all old dust and debris.
- 8.4 Squeeze a generous bead of fresh Thermic Seal glue into the rope locating groove. **Do not glue over the screw heads.** Press the new rope into the locating groove, placing the joint in the middle of the lower edge of the door.
- 8.5 Refit the door and close the door to apply pressure to new rope. Leave the appliance closed for at least 12 hours before lighting and using at a low output for approximately one day.
- 8.6 Using the Riva stove with a damaged door seal could cause dangerous fumes to enter the room, or the appliance to overfire, resulting in damage.
- 8.7 If you require help your local dealer will be able to carry-out all of your service and maintenance requirements for a reasonable cost.

9. ADJUSTING DOOR CATCH

- 9.1 To maintain the safe use of your Riva stove, you may need to adjust the door catch to ensure safe correct closing of the door. Complete this operating as follows.
- 9.2 Open the door to give access to the fixed part of the door catch as shown.

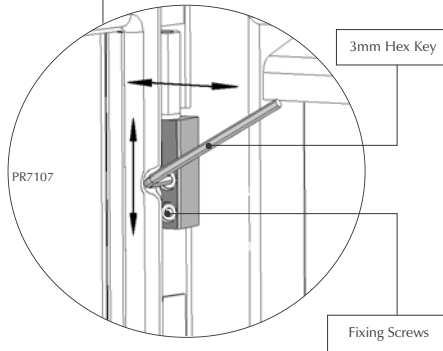
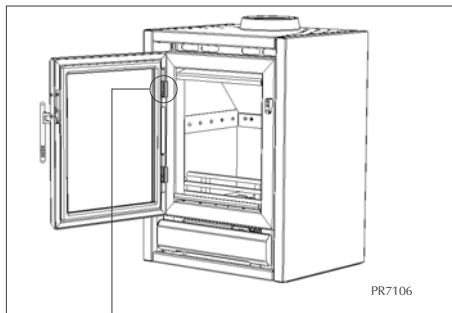


- 9.3 Using a 3mm A/F hexagon head key (supplied) loosen the 2 fixing screws, as shown, and reposition the catch block to achieve a correct fit. This may require a trial and error approach to find the correct position.
- 9.4 If the door feels loose after correcting the catch the door rope seal is worn and requires replacement, as detailed in section 7 of the user instructions.

MAINTENANCE and SERVICING

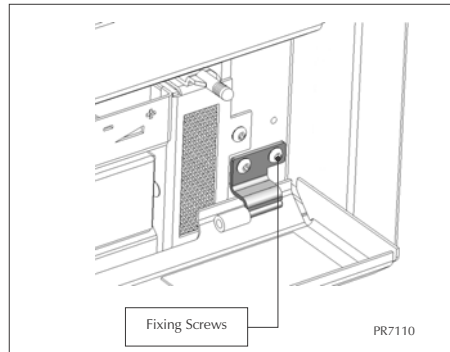
10. ADJUSTING DOOR HINGES

- 10.1 To maintain the safe use of your Riva stove, you may need to adjust the door hinges to ensure safe correct closing of the door. Complete this as follows.
- 10.2 Open the door to give access to the fixed part of the door hinge as shown.



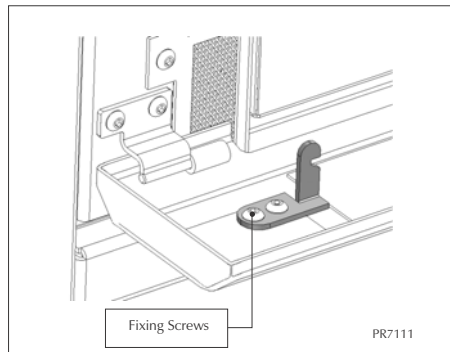
- 10.3 Using a 3mm A/F hexagon head key loosen the fixing screws, as shown, and reposition the hinge blocks to achieve a correct fit. This may require a trial and error approach to find the correct position.

11. ADJUSTING ASHPAN COVER HINGES



- 11.1 It is possible to correct the fit of the ashpit door by loosening the hinge fixing screws and repositioning the hinges.

12. ADJUSTING ASHPAN DOOR TOUCH LATCH



- 12.1 It is possible to correct the operation of the ashpit door touch latch by loosening the latches fixing screws and repositioning the latch. This may need a trial and error approach to find the correct position.